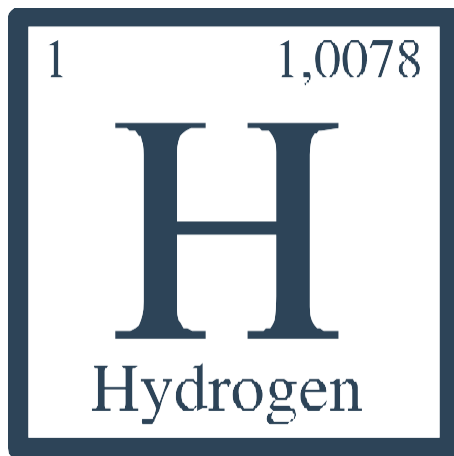




T-shore
Education

Inspection Report

Example for Instructor



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Module:

Power-to-X

Learning scenario:

**Introduction to Power-
To-X**



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Primary Author(s)	Dennis Lindkvist Nørbjerg, Heidi Katrine Rosenberg, Verner Johnson, Jens Høffner
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01	28.04.2025	New instruction and picture of equipment added.	DLN	HJ
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Note This is a fictive generic equipment checklist intended for training purposes and therefore may vary from the equipment checklist provided by a company. It is important that a technician always read and fill checklist carefully prior to any task.

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1 Administration data

Table 1. Documentation overview

Order number	
Order name	
Priority	
WTG serial number	
Site name	
Date	
Reporting by	
Site Supervisor	
Inspection start hour	
Inspection end hour	

Table 2. Report overview

Report type	
Reason for inspection	
Component type	
Component serial number	
Component manufacturer	
Component model	
Date of last inspection	

2 Safety Protocol

Table 3. Safety Procedures

	LOTO start hour	Signature	LOTO end hour	Signature
LOTO procedure				

LOTO Procedure:

Lockout/Tagout procedure was initiated before practical training with the Hydrogen Separator Cell. System power sources were safely isolated, tagged, and verified inactive before work commenced. System reactivation was conducted only after inspection completion and safety verification.

3 Inspection List

Table 4. List of Inspection Points

Inspection category	Inspection point	Possible damage	Comment
<i>PPE and Safety</i>	1.1 Safety briefing conducted	<i>Incomplete understanding</i>	<i>All participants briefed and confirmed</i>
<i>PPE and Safety</i>	1.2 Correct PPE worn (goggles, gloves, antistatic clothing)	<i>Personal injury risk</i>	<i>All PPE verified on entry</i>
<i>Equipment Setup</i>	1.3 Visual inspection of hydrogen separator cell	<i>Leaks, damaged casing</i>	<i>No visual defects observed</i>
<i>Equipment Setup</i>	1.4 Verification of instrumentation connections	<i>Incorrect readings</i>	<i>All meters connected properly</i>
<i>Electrical Safety</i>	1.5 Power supply with PWM functioning	<i>No power/no regulation</i>	<i>Output verified during warm-up</i>
<i>Gas Safety</i>	1.6 Gas collection & venting system inspection	<i>Gas leaks, pressure issues</i>	<i>Venting system functioning, no leaks</i>
<i>Operation</i>	1.7 Monitoring of temperature, current, pressure	<i>Equipment malfunction</i>	<i>All readings within safe range</i>
<i>Shutdown</i>	1.8 Safe system shutdown	<i>Residual gas risk</i>	<i>System shut down and vented correctly</i>
<i>Documentation</i>	1.9 Completion of equipment checklist	<i>Incomplete records</i>	<i>Checklist filled by each group</i>
<i>Post-operation</i>	1.10 Clean-up and feedback session	<i>Debrief missed</i>	<i>Completed with all participants</i>



4 Inspection Report

4.1 Summary of inspection outcomes:

Examples:

- *No major malfunctions observed during the electrolysis process.*
- *All participants followed the safety protocols and demonstrated correct handling of equipment.*
- *Monitoring of operational parameters (amperage, temperature, gas pressure) was successful.*
- *PPE use and LOTO procedures were followed as per guidelines.*
- *Feedback session conducted and responses recorded.*

Examples:

- *Review data from the session and compare across participant groups.*
- *Conduct refresher briefing on ATEX compliance in the next session.*
- *Consider increasing time for parameter analysis and troubleshooting.*

4.3 Additional Notes:





Examples:

- *Soap bubble hydrogen flame demonstration carried out with caution.*
- *Ensure all training participants understand gas risks—even during controlled tasks.*
- *Visual inspections could be enhanced with photo documentation next time.*

Employee Signature:

Date:

Supervisor Signature:

Date:





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t-shore.eu
tshore.eu@gmail.com